

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the Application:

LISTING OF CLAIMS:

1. (Currently Amended) A noise-free low-power consumption wide voltage range DC and AC contactor, comprising:

a housing including a bottom, a top, and at least a pair of opposite walls extending between said bottom and said top of said housing; ~~an~~

a static iron core installed ~~on an inner~~ at said bottom of the housing, said static iron core having a longitudinal axis thereof and including a first core leg and a second core leg displaced from said first core leg relative said longitudinal axis;

a movable iron core having a first end and a second end and installed in said housing and reciprocating along said longitudinal axis of said static iron core;

a ~~an~~ movable copper having two ends and a middle portion, said middle portion being attached to said first end of said movable iron core in proximity to the ~~installed in an inner~~ top of the housing; ~~each of two ends of the~~ , said movable copper having a ~~respective~~ movable silver spot disposed on each of said two ends of said movable copper; ~~static silver spots being installed below the movable silver spots;~~

~~two a stationary coppers connected~~ copper attached to a ~~each~~ wall of said pair of opposite walls of the housing; ~~each of the said stationary coppers~~ ~~copper~~ being installed with a ~~respective one of the~~ having a static silver spot formed thereon, said static silver spot being disposed below said moving silver spot spots; ~~a middle part of the~~

~~movable copper being connected to a movable iron core;~~

a spring installed between ~~a bottom~~ said second end of the moveable iron core and ~~an inner~~ a bottom of the static iron core along said longitudinal axis thereof ~~on the housing;~~

a magnetic coil wound around ~~one~~ said first core leg of the static iron core;

a retaining coil wound around ~~another~~ said second core leg of the static iron core, axes of said magnetic coil and said retaining coil being displaced each from the other relative said longitudinal axis of said static iron core;

an integrated circuit coupled between said magnetic and retaining coils; ~~characteristic in that a linkage having one end connected to the moveable iron core;~~

a micro switch operatively coupled ~~connected to another end of the linkage;~~ ~~the micro switch being connected to the magnetic coil, an integrated circuit and the retaining coil~~ said microswitch including a normally closed contact point connected in series with the magnetic coil; and

a linkage member having one end and another end and connected by said one end thereof to said movable iron core, said linkage member controlling said microswitch, wherein, when said moveable iron core is attracted towards said bottom of the housing into said static iron core between said magnetic coil and said retaining coil and when respective ones of said movable and static silver spots are brought in contiguous engagement, said linkage mechanism engages by said another end thereof said microswitch and opens said normally closed contact point of said microswitch, thereby ceasing the energizing of said magnetic

coil and starting energizing said retaining coil through said integrated circuit ~~wherein the bottom of the moveable iron core is within longitudinal extents of the magnetic coil and retaining coil.~~

2. (Currently Amended) The noise-free low-power consumption wide voltage range DC and AC contactor as claimed in claim 1, wherein ~~the micro switch has a normally closed contact point; the contact point is connected to the magnetic coil;~~ the integrated circuit is connected in parallel to a the retaining coil in parallel, and wherein said magnetic coil and said retaining coil are coupled in parallel.

3. (Currently Amended) The noise-free low-power consumption wide voltage range DC and AC contactor as claimed in claim 1, ~~wherein the contactor is used with a~~ further including at least one electrical device to be controlled and a telephone system comprising, a telephone input wire, a voice system, a keyboard, ~~and a software program, a telephone input wire, and a voice system,~~

at least one said contactor being coupled between said at least one electrical device to be controlled and said telephone system, thereby forming so as to be formed as a remote telephone control system.

4. (Currently Amended) The noise-free low-power consumption wide voltage range DC and AC contactor as claimed in claim 1, wherein ~~the~~ at least one said contactor is combined with a remote telephone control system having a telephone wire so as to form as a control device to control an object of control; the control device ~~is being~~ connected to a ~~public~~ power supply system ~~directly and then the~~

~~telephone wire is connected so that~~ through the telephone wire ~~is conducted so as to achieve the object of control.~~

5. (Currently Amended) The noise-free low-power consumption wide voltage range DC and AC contactor as claimed in claim 4 3, wherein the remote telephone control system includes a plurality of said contactors, the number of the contactors ~~telephone is according~~ corresponding to the number of the electric ~~device~~ devices to be controlled.